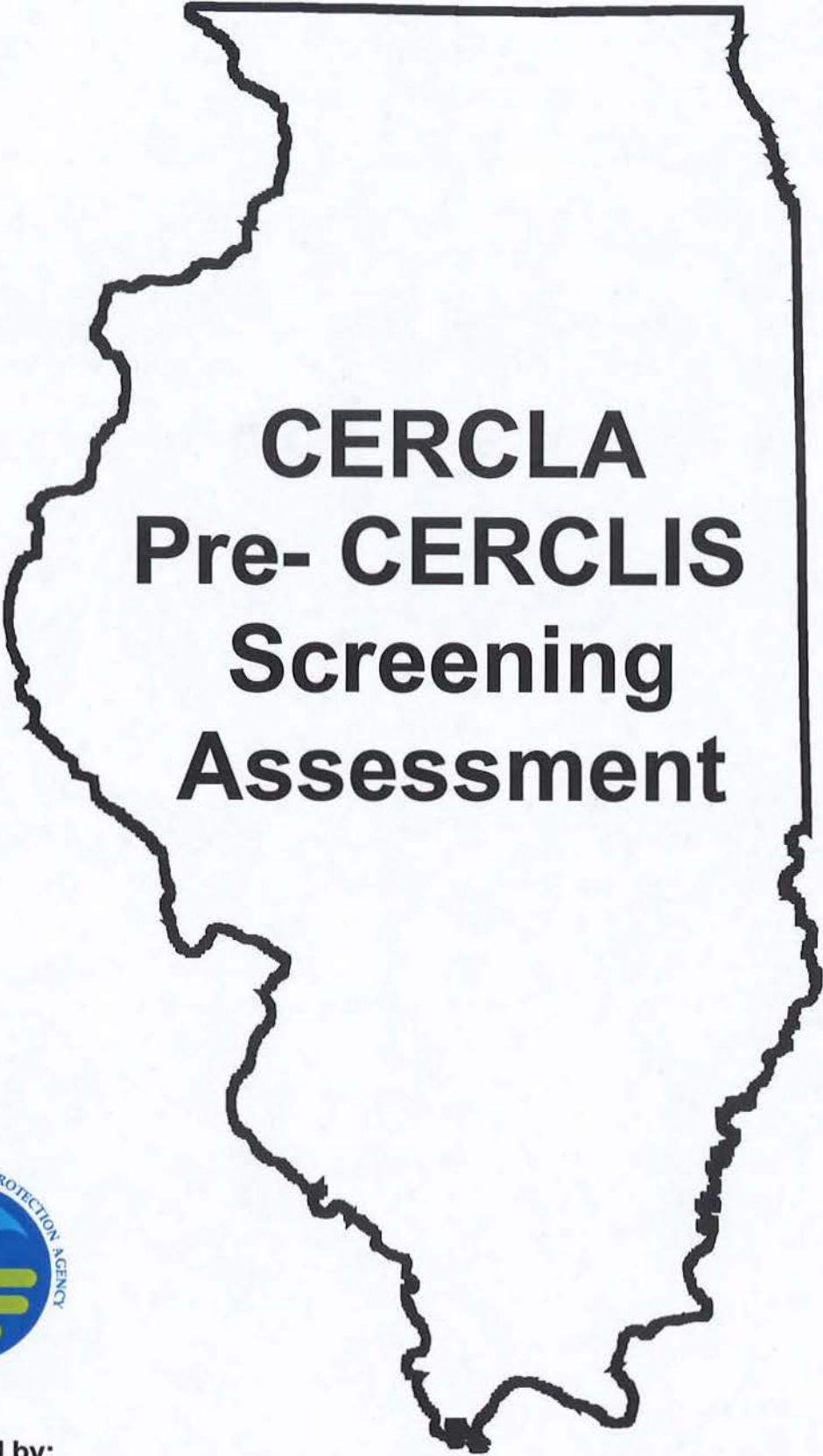


Sangamon
Springfield Iron Company
Springfield
LPC 089025002
SF/HRS



CERCLA Pre- CERCLIS Screening Assessment



**Prepared by:
Office of Site Evaluation
Division of Remediation Management
Bureau of Land**

Pre-CERCLIS Screening Assessment

for:

**Springfield Iron Company
Springfield, Illinois**

**PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION**

March 9, 2011

Site Summary

On March 11, 2010, the Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation received funding from the United States Environmental Protection Agency (U.S. EPA) Region V to conduct a Pre-CERCLIS Screening Assessment at the Springfield Iron Company located in Springfield, Illinois. The former Springfield Iron Company is located within Springfield, Sangamon County. The Pre-CERCLIS Screening Assessment was prompted by the observation of coal tar seeping onto a public sidewalk and city right-of-way on the northwestern corner of the former iron works property.

A Pre-CERCLIS Screening Assessment is a review of information on potential Superfund sites to determine whether the site should be placed into EPA's Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). During the assessment, information will be collected in order to complete the Pre-CERCLIS Screening Assessment Checklist/Decision Form (found in at the conclusion of the Pre-CERCLIS Screening Assessment). If there is sufficient information that suggests the site may be impacting human health and the environment, the site will be placed in CERCLIS and will progress through the Superfund evaluation process. The Pre-CERCLIS Screening Assessment is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

The Springfield Iron Company originally occupied approximately 50 acres and was located on the north side of Springfield, Sangamon County. The Pre-CERCLIS Screening investigation focused on four coal gasification (gas houses) and one potential coal tar disposal area. The Pre-CERCLIS Screening Assessment was prompted by concerns that coal tar is migrating onto to a public sidewalk. The sidewalk serves as a link between a nearby high school,

baseball/softball fields, a community park and several residential areas. There is also evidence that the coal tar is further impacting a right-of-way and city street.

In October 2010, Illinois EPA's Office of Site Evaluation collected ten soil/waste samples from 20 soil borings. These 20 borings ranged in depth from four to 12 feet and were focused on the four gas house locations and one coal tar disposal area. Several of these locations had analytical results that exceed U.S.EPA Removal Action Levels (RALs) for: 2,4-Dimethylphenol, 3 & 4-Methylphenol, Benzo (a) anthracene, and Benzo (a) pyrene.

As part of the October 2010, field activities the Illinois EPA's Office of Community Relations prepared an informational fact sheet for the site and distributed it to the surrounding neighborhood. To date the Illinois EPA has not been contacted regarding additional areas with suspect coal tar.

Pre-CERCLIS Screening Assessment Checklist/Decision Form

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets for the narrative.

Checklist Preparer:	Mark Wagner/Project Manager. Office of Site Evaluation	March 9,2011
	(Name/Title)	(Date)
	1021 North Grand Ave. Springfield, IL 62794	(217) 524-1662
	(Address)	(Phone)
	<u>mark.wagner@illinois.gov</u>	
	(E-Mail Address)	

Site Name: Springfield Iron Company

Previous Names (if any): n/a

Site Location:	NE corner of the Intersection of Ridgely Avenue and Factory Street (Street)			
	Springfield (City)	Sangamon (County)	IL (ST)	62794 (Zip)
	18th (Congressional District)			

Latitude: 39.824011 Longitude: -89.639924

Complete the following checklist. If “yes” is marked, please explain below.

Complete the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	<input type="checkbox"/>	X
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	X
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	X
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	X
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	X
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	X
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	X
8. Is there sufficient documentation that clearly demonstrates that there is no potential for		X

a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?		
9. Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	<input type="checkbox"/>	X
10. Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or immediately adjacent to the site or nearby (within 1 mile)?	X	<input type="checkbox"/>
11. Are there no releases or potential to release?	<input type="checkbox"/>	X

Please explain all "yes" answer(s), attach additional sheets or refer to narrative:

Site Determination: X Enter the site into CERCLIS. Further assessment is recommended (explain below).
 ☐ The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE:

It is recommended to place the site into the CERCLIS database for future action under U.S. EPA's Emergency Removal Program.

For an explanation of each "yes" answer, please refer to the Pre-CERCLIS Screening Assessment Report.

EPA Regional Review and Site Assessment Decision

Check the box(es) that apply:

- ☐ Not a Valid Site or Incident
X Incident for Further Action Under CERCLA

Recommended Further Action:

- ☐ APA
☒ Full PA
☐ Combined PA/SI
☐ SI

Defer/Refer to:

- X Removal Program
☐ State/Tribal Program
☐ RCRA
☐ Brownfields
☐ Other: _____

Regional EPA Reviewer:

Print Name/Signature

Date

State Agency/Tribe:

Print Name/Signature

Date

**U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REGION 5 SUPERFUND DIVISION
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY INFORMATION SYSTEM (CERCLIS)
SITE INFORMATION FORM (SIF)**

Purpose and Use of the SIF

The SIF is the primary document used in Region 5 for the purposes of entering new Superfund sites into CERCLIS. SIFs should be completed electronically by On-Scene Coordinators (OSC) and Site Assessment Managers (SAM) when it is confirmed that a new site identified under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) should be entered into CERCLIS.

A SIF should not be completed if:

- It is known that the site already exists in CERCLIS, or has been removed from CERCLIS and no new data warrants re-entry;
- The site or its contaminants are subject to certain limitations based on definitions in CERCLA;
- A State or Tribal remediation program is involved in response at the site and is in the process of a final cleanup;
- The hazardous substance release at the site is regulated under a statutory exclusion (see CERCLA section 101(22));
- The hazardous substance release at the site is deferred to another authority (e.g., Resource Conservation and Recovery Act (RCRA));
- Site data is insufficient to determine if CERCLIS entry is warranted (i.e., based on potentially unreliable sources or with no information to support the presence of hazardous substances or CERCLA eligible pollutants or contaminants); or
- Documentation clearly demonstrates there is no potential for a release that could cause adverse environmental or human health impacts.

Please reference the Superfund Program Implementation Manual (SPIM) (Site Assessment/ National Priority List (NPL) Listing) for more information.

Additional Instructions

OSCs and SAMs should complete SIFs electronically, populating all applicable fields. **Required fields are bolded**, and remaining fields should be completed as applicable. Following are several points of clarification:

- Removal Initiation Date versus Site Discovery Date—Provide a Removal Initiation Date if the site requires *removal assessment/action* under CERCLA; provide a Site Discovery Date *only* if the site requires *NPL assessment/action* under CERCLA;
- Site Spill ID (SSID)—Obtain and enter the SSID received from John Maritote, of the Emergency Enforcement Services Section (EESS); if an SSID is not required, check the 'No SSID Required' box;
- Street Address—If possible, provide a complete street address for the spill site or corresponding facility; if an exact address cannot be identified, provide the distance and direction (e.g., N, NW, S, SE) from the closest intersection (include street names) or address;
- Lat/Long Details—Provide responses for all applicable fields based on the Lat/Long collection method; if details are unknown, select 'Unknown';
- Site Type—Site Type categories and subcategories are included in the SIF; select all that apply.

Submitting the SIF

Completed SIFs should be e-mailed to John Maritote at Maritote.John@epa.gov.

**U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REGION 5 SUPERFUND DIVISION
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY INFORMATION SYSTEM (CERCLIS)
SITE INFORMATION FORM (SIF)**

SIF Completed by: Mark Wagner, on 3 / 9 / 2011

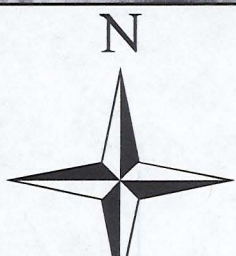
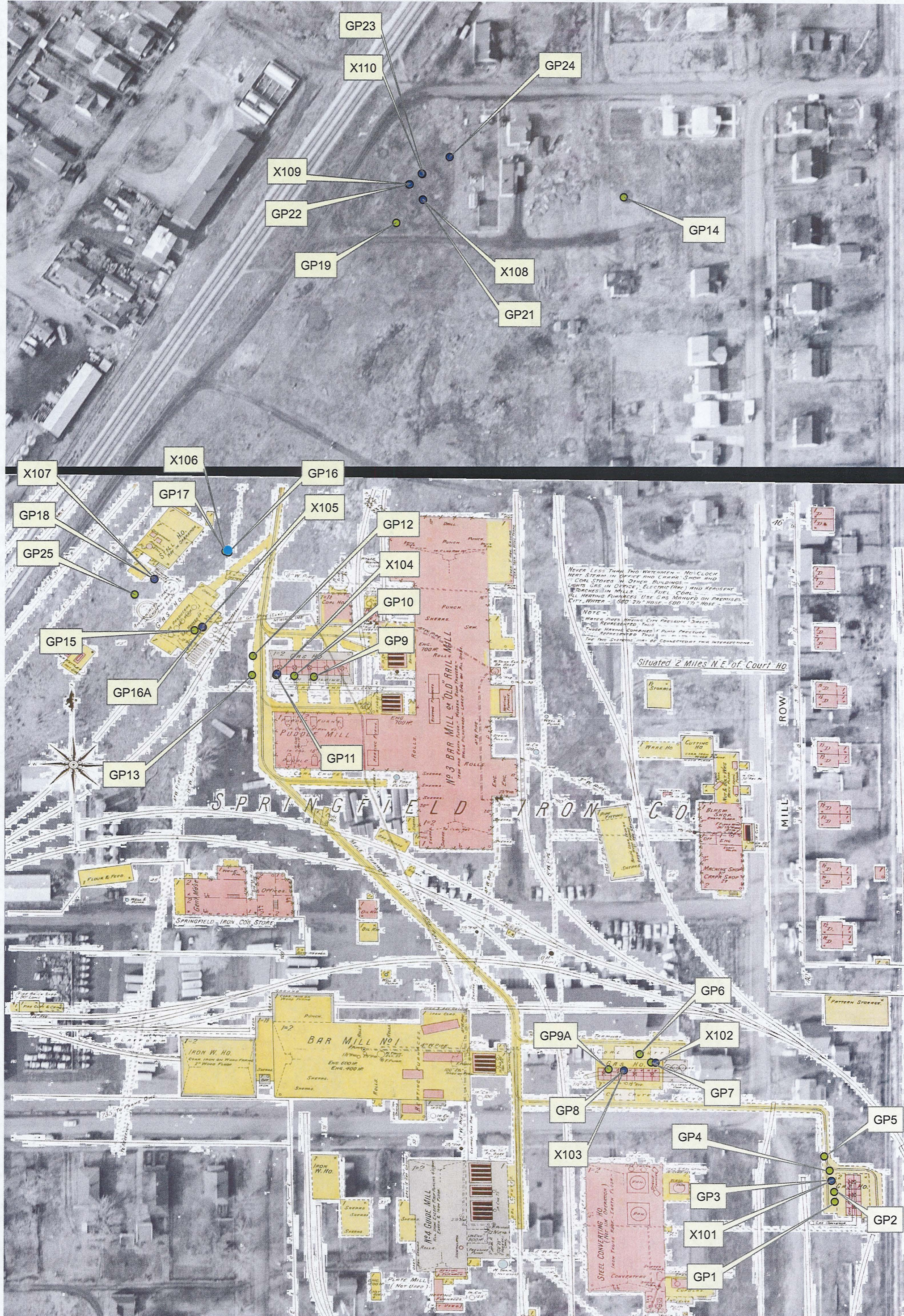
Site Identification Information				
Site Name:	Springfield Iron Company	SSID:		<input type="checkbox"/> No SSID Required
Removal Initiation Date: <i>(Provide only if a removal assessment/ action is required)</i>	/ /	Site Designations: <i>(Select all that apply)</i>	<input type="checkbox"/> Fed. Facility Flag / Docket: <input type="checkbox"/> RCRA Flag <input type="checkbox"/> FUDS Site <input type="checkbox"/> Native American Interest <input type="checkbox"/> Navajo Nation	
Site Discovery Date: <i>(Provide only if an NPL assessment/ action is required)</i>	/ /			
Non-NPL Site Status:	PA Start Needed	Identified By:	States	
NPL Site Status:	Not on the NPL	State ID: (If known)		
Site Contact Information				
OSC/ RPM/ EAPM Name / Phone:	/() -	State Contact Name / Phone:	Mark Wagner /(217)524 - 1662	
		Other Reg. Contact Name / Phone:	/() -	
Site Location Information				
Street Address: <i>(Specify the address of the spill site/facility; if an exact address cannot be identified, provide the distance and direction (e.g., N, SE) from the nearest intersection (include street names) or address)</i>	NE corner of the intersection of Ridgely Ave. and Factory St.	Lat/Long Unit of Measure: <i>(Select one)</i>	<input type="checkbox"/> Degrees, Minutes, Seconds	<input checked="" type="checkbox"/> Decimal Degrees
		Latitude:	+ ° "	+ 39.824011
		Longitude:	- ° "	- 89.639924
County:	Sangamon	Lat/Long Details: <i>(Complete all applicable fields based on Lat/Long collection method; if details are unknown, select 'Unknown')</i>	Collection Method:	Interpolation-Photo
State:	IL		Reference Datum:	Other
Zip Code:	62794		Reference Point:	Plant Entrance (General) ; or SW Corner of Land Parcel
Congressional District:	18		Collection Date:	/ 0 / 0

* Note that Required fields are Bolded

**U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REGION 5 SUPERFUND DIVISION
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY INFORMATION SYSTEM (CERCLIS)
SITE INFORMATION FORM (SIF)**

Additional Site Information			
Site/Incident Description: (Include a discussion on whether there are long-term cleanup concerns and/or an NPL assessment is needed)		The Springfield Iron Company originally occupied approximately 50 acres and was located on the north side of Springfield, Sangamon County. The Pre-CERCLIS Screening investigation focused on four coal gasification (gas houses) and one potential coal tar disposal area. The Pre-CERCLIS Screening Assessment was prompted by concerns that coal tar is migrating onto to a public sidewalk. The sidewalk serves as a link between a nearby high school, baseball/softball fields, a community park and several residential areas. There is also evidence that the coal tar is further impacting a right-of-way and city street.	
Site Type: (Select Site Type Categories and Subcategories (all that apply))	Categories	Subcategories	
	<input checked="" type="checkbox"/> Manufacturing/ Processing / Maintenance	<input type="checkbox"/> Chemicals and allied products <input type="checkbox"/> Radioactive products <input type="checkbox"/> Primary metals/ mineral processing <input type="checkbox"/> Oil and gas refining <input type="checkbox"/> Metal fabrication/ finishing/ coating <input type="checkbox"/> Lumber and wood products/ pulp and paper <input type="checkbox"/> Lumber and wood products/wood preserving/ treatment <input type="checkbox"/> Plastics and rubber products	<input type="checkbox"/> Electronic/ electrical equipment <input type="checkbox"/> Electric power generation and distribution <input checked="" type="checkbox"/> Coal gasification <input type="checkbox"/> Ordinance production <input type="checkbox"/> Coke production <input type="checkbox"/> Trucks/ ships/ trains/ aircraft and related components <input type="checkbox"/> Tanneries <input type="checkbox"/> Fabrics/ textiles
	<input checked="" type="checkbox"/> Waste Management	<input type="checkbox"/> Municipal solid waste landfill <input type="checkbox"/> Industrial waste landfill <input type="checkbox"/> Co-disposal landfill (municipal and industrial) <input type="checkbox"/> Industrial waste facility (non-generator)	<input type="checkbox"/> Radioactive waste treatment, storage, disposal (non-generator) <input checked="" type="checkbox"/> Mine tailings disposal <input type="checkbox"/> Illegal disposal/open dump
	<input checked="" type="checkbox"/> Mining	<input checked="" type="checkbox"/> Coal <input type="checkbox"/> Oil and Gas	<input type="checkbox"/> Metals <input type="checkbox"/> Non-metal minerals
	<input type="checkbox"/> Recycling	<input type="checkbox"/> Batteries/ scrap metals/ secondary smelting/ precious metal recovery <input type="checkbox"/> Waste/ used oil	<input type="checkbox"/> Automobiles/ tires <input type="checkbox"/> Drums/ tanks <input type="checkbox"/> Chemicals/ chemical waste (e.g., solvent recovery)
<input type="checkbox"/> Other	<input type="checkbox"/> Treatment works/ septic tanks/ other sewage <input type="checkbox"/> Transportation (e.g., railroad yards, airport) <input type="checkbox"/> Product storage/ distribution <input type="checkbox"/> Ground water plume site, no identifiable source <input type="checkbox"/> Contaminated sediment site with no identifiable source	<input type="checkbox"/> Retail/ commercial <input type="checkbox"/> Agricultural (e.g., grain elevator) <input type="checkbox"/> Spill or other one-time event <input type="checkbox"/> Military/ other ordinance <input type="checkbox"/> Research, development, and testing facility <input type="checkbox"/> Dust control	

* Note that Required fields are Bolded



Geoprobe Locations
Springfield Iron Company
Springfield, IL
October 2010